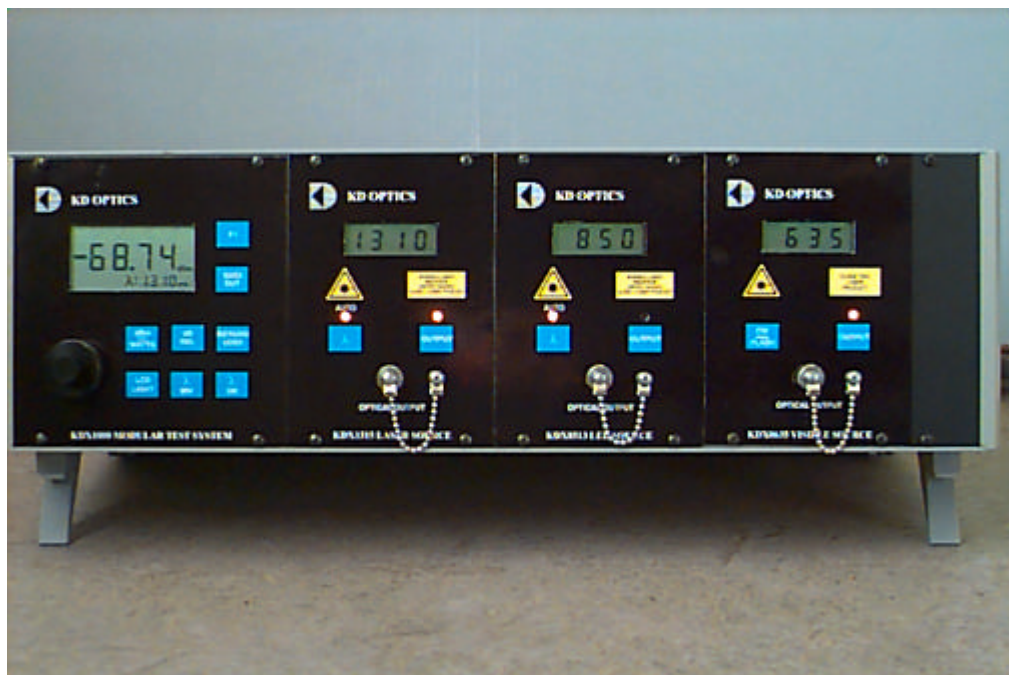


TECHNICAL DATA SHEET



KDX System Automated Modular Test System

The KD Optics KDX1000 modular test system is intended for use both as a laboratory instrument and as production test equipment. The unit features a mainframe with power meter controller with capacity for multimode, singlemode and visible light sources. When used as a production test system, the test software has been developed for speed, giving the operator a totally hand-free test environment (no mouse clicking), with the test sequence and results stored in an Access database. Print options allow for 2 printers; one for wrap-round serial number labels for the connector ends and the other printer for a custom label / report which may be included with the tested product. In any case, the result is stored in the database for retrieval at a later time. Available options include LED or laser, single or dual, cooled or uncooled along with Insertion loss and return loss measurements.



KDX1000 Test System

Modular test system
Multimode and singlemode options
Insertion loss and return loss
Laboratory or Production environment
Dramatically speeds up testing time

Single or dual sources
High repeatability
Several software options allow automated testing with results stored in Access database
Cooled 635nm Visible laser option

KDX1000 Test System Specifications

	KDX 1000 Automated test system
Source Wavelength	850nm and 1300nm multimode, 1310nm and 1550nm singlemode
Source type	Multimode - LED or Laser, singlemode - Laser, cooled or uncooled
Output level	-20dBm (min) LED, -3dBm (min) laser
Stability	±0.05dB / hour at 23°C
Spectral FWHM	Typical 3nm singlemode, 50nm multimode
Stabilisation time	15 minutes from power up
Optical connector	Standard FC/PC, APC for return loss unit
Power meter wavelength	850nm / 1300nm / 1310nm / 1550nm standard
Measurement range	+10 to -70dBm
Measurement Accuracy	± 5% at 23°C
Display	4 Digit custom, displays dBm, dB, Watts, wavelength
Resolution	0.01dB
Optical Connector	Adaptor caps for FC/PC, ST, SC, Diamond etc.
Return Loss Module	70dB singlemode, 40dB multimode
Automated software	Multimode patchcord testing, singlemode patchcord testing and long term testing (logging) software available
Temperature range	0 – 50°C
Case style	19" rack, modular
Communication	RS232 standard
Power requirement	230V ac 50/60 Hz

KDX1000 Test System Ordering information

KDX1000 Test System

KDX1000 Power meter including mainframe.
 KDX0850 850nm LED, stabilised source.
 KDX1300 1300nm LED, stabilised source.
 KDX8513 850nm / 1300nm LED, dual stabilised source.
 KDX1310 1310nm Laser, stabilised source.
 KDX1550 1550nm Laser, stabilised source.
 KDX1315 1310 / 1550nm Laser, stabilised source.
 KDX1310C 1310nm Laser, cooled stabilised source.
 KDX1550C 1550nm Laser, cooled stabilised source.
 KDX1315C1310 / 1550nm Laser, cooled stabilised source.
 KDX1315R Return loss option.
 KDX0635 Visible laser source (cooled).
 KDXALTSM Automated Loss Test Software Multimode.
 KDXALTSS Automated Loss Test Software Singlemode.
 KDXALTSL Automated Loss Test Software Logging.

Other Products available from KD Optics:

Single and Multimode Power meters
 Laser and LED sources
 Loss Test Sets
 Visible Light Sources
 Optical Talk sets
 Cooled laser sources
 Optical data logging and Device alignment test sets
 Thermo Electric Cooler (TEC) controllers

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